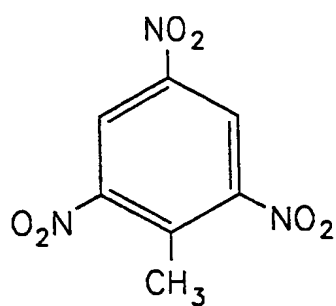
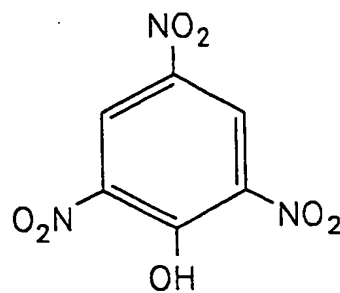


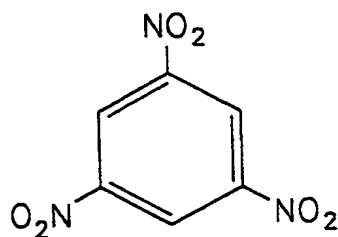
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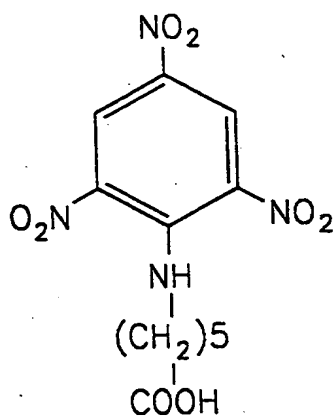
TNT



TNP



TNB



TNP-cap

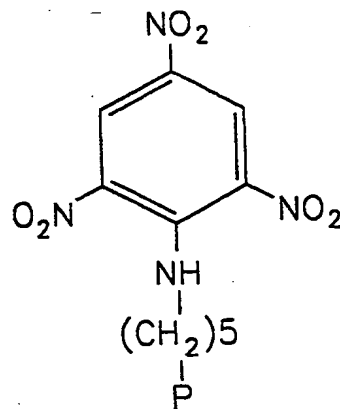
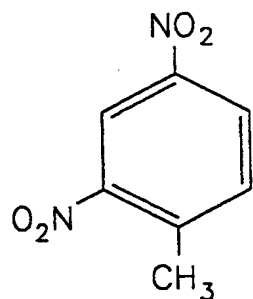
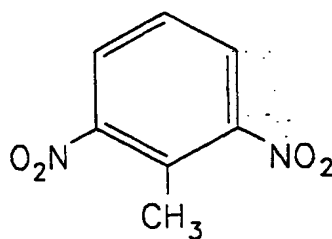


FIG.1A

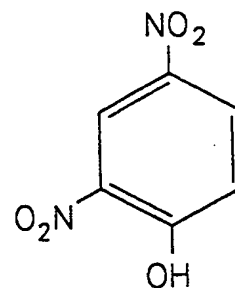
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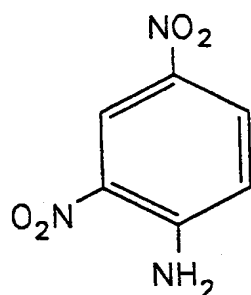
2,4-DNT



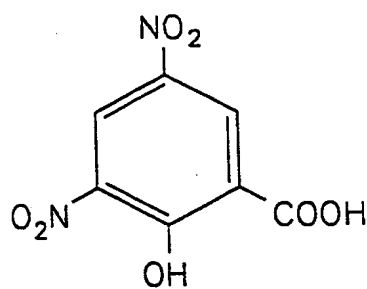
2,6-DNT



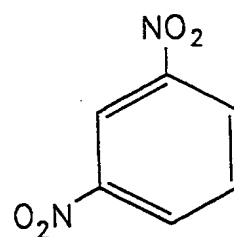
2,4-DNP



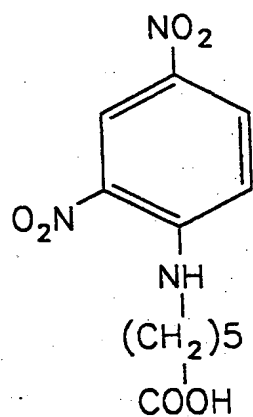
2,4-DNA



DNS



m-DNB



2,4-DNP-cap

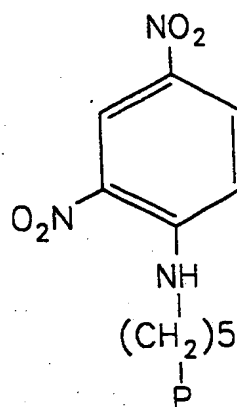


FIG.1B

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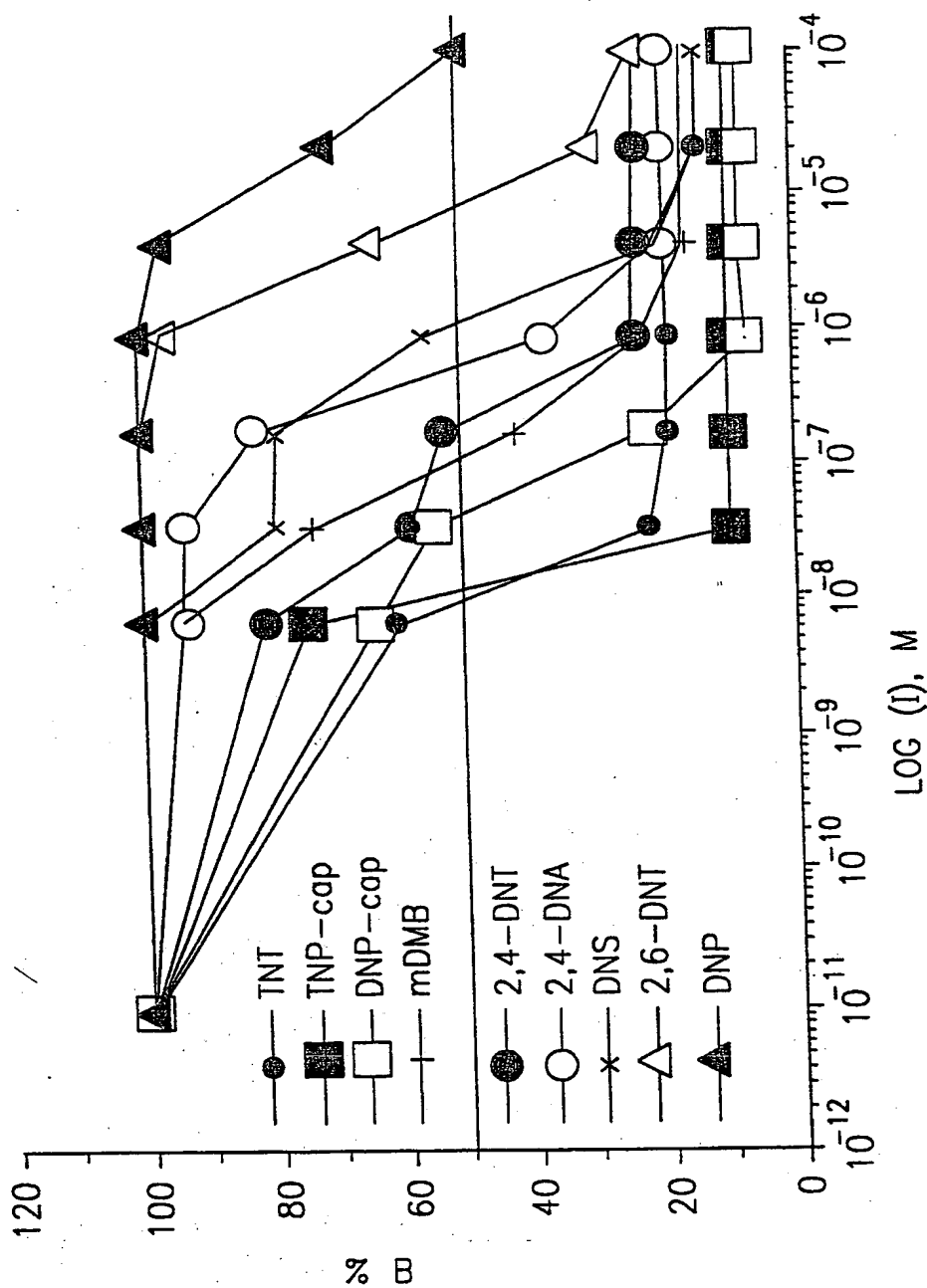


FIG.2A

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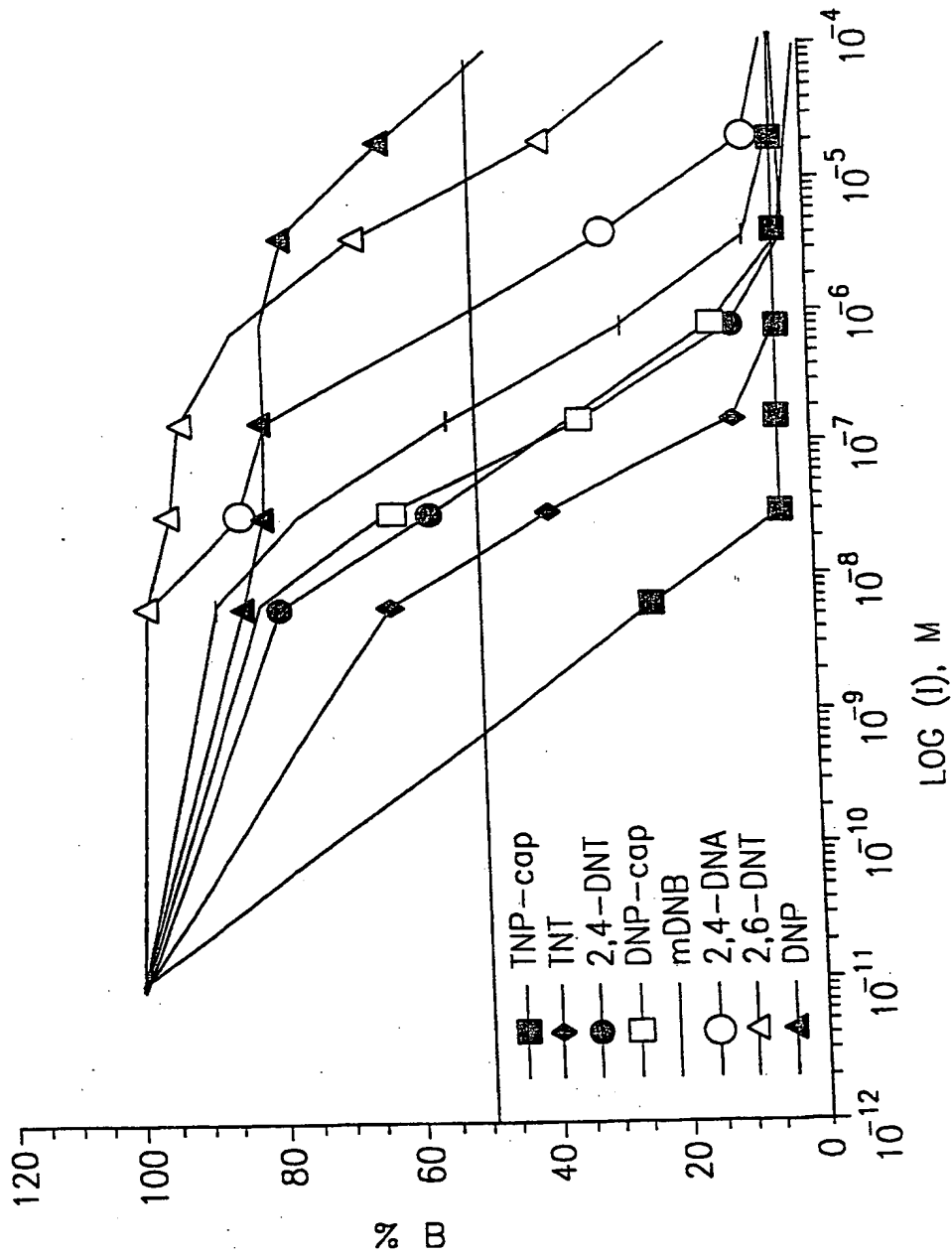


FIG.2B

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1 ATG AGA GTG CTG ATT CTT TTG TGG CTG TTC ACA GCC TTT CCT GGT ATC CTG TCT GAT GTG 60
 M R V L I L L L W L F T A F P G I L S D V
 61 CAG CTT CAG GAG TCG GGA CCT GGC CTG GTG AAG CCT TCC CAG TCT CTG TCC CTC ACC TGC 120
 Q L Q E S G P G L V K P S Q S L S L T C
 121 TCT GTC ACT GGT TAC TCA ATC ACC AGT GGT TTT GCC TGG AAC TGG ATC CGG CAG TTT CCA 180
 S V T G Y S I T S G Y A W N W I R Q F P
 181 GGA AAC AAA CTG GAG TGG ATG GGC TAC ATA AGC TAC AGT GGT TTC ACT AGC TAC AAC CCA 240
 G N K L E W M G Y I S Y S G F T S Y N P
 241 TCT CTC AGA AGT CGA ATC TCT TCG ACT CGA GAC ACA TCC AAG AAC CAG TTC TTC CTG CAG 300
 S L R S R I S F T R D T S K N Q F F L Q
 301 TTG AAT TCT GTG ACT TCT GAG GAC ACA GCC ACA TAT TAC TGT GCA AGA TGG GAC TAC GGT 360
 L N S V T S E D T A T Y X C A R W D Y G
 361 ACT ACC TAC GGG TAC TTC GAT GTC TGG GGC CAA GGG ACT ACG GTC ACC 408
 T T Y G Y F D V W G Q G T G V T
 N3'VH (J1)

FIG.3A

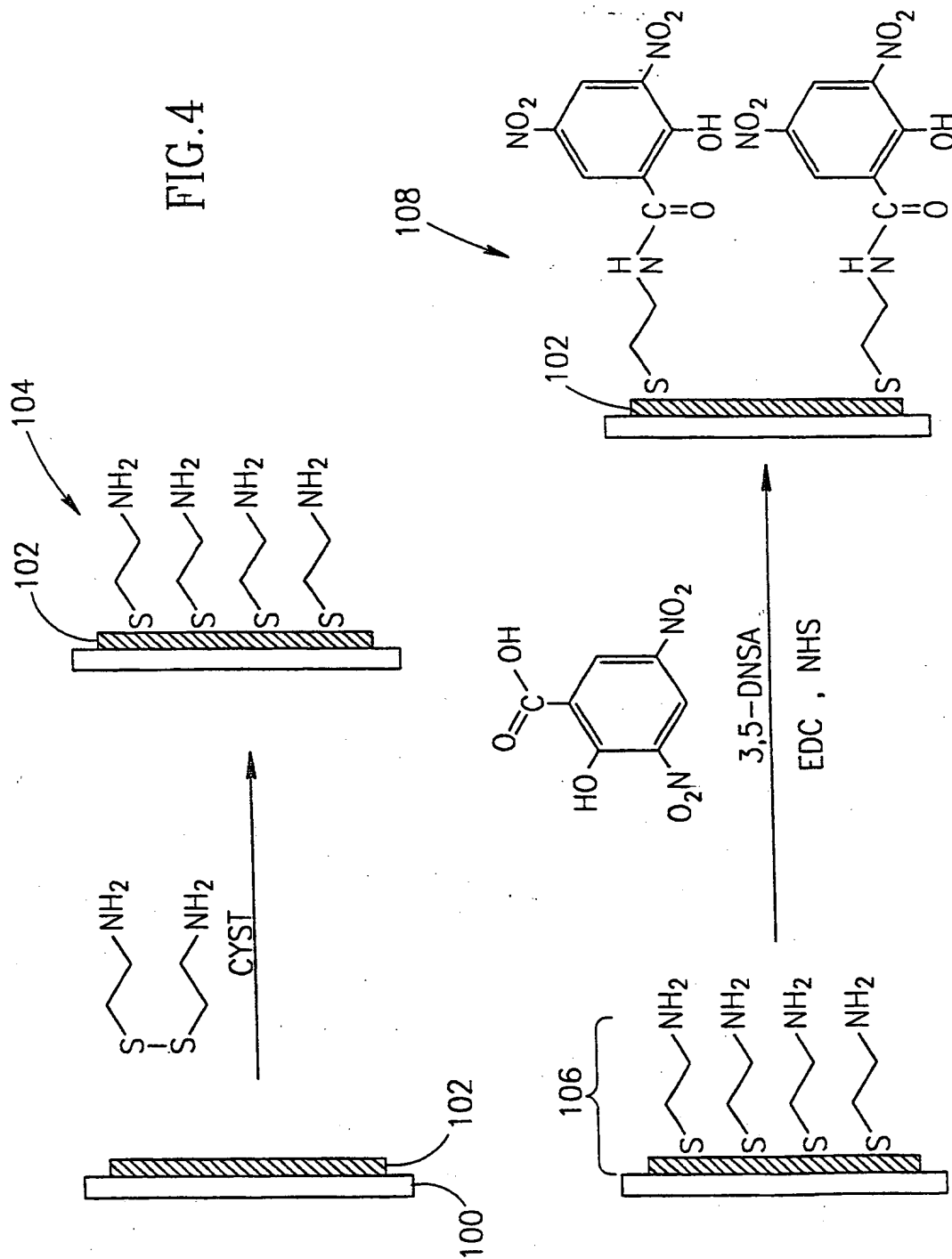
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1 TCT AGA GGA GAT ATC GTT ATG ACC CAG TCT CCA TCC TCC CTG AGT GTG TCA GCA GGA GAG 60
 S R G D I V M T Q S P S S L S V S A G E
 61 AAG GTC ACT ATG ACC TGC AAG TCC AGT CAG AGT CTG TTA AAC AGT AGA AAT CAA AAG AAC 120
 K V T M S C K S S Q S L L N S R N Q K N
 121 TAC TTG GCC TGG TAC CAG CAG AAA CCA GGA CAG CCT CCT AAA CTT TTG ATC TAC GGG GTA 180
 Y L A W Y Q Q K P G Q P P K L L I Y G V
 181 TTT ATT AGG GAT TCT GGG GTC CCT GAT CGC TTC ACA GGC AGT GGA TCT GGA ACC GAT TTC 240
 F I R D S G V P P D R F T G S S G T D F
 241 ACT CTT ACC ATC AGC AGT GTG CAG GCT GAA GAC CTG GCA GTT TAT TAC TGT CAG AAT GAT 300
 T L T I S S V Q A E D L A V Y C Q T D
 301 CAT ATT TAT CCG TAC ACG TTC GGA GGG GCG ACC AAG CTG GAA ATA AAA 348
 H I Y P Y T F F G G G T K L E I K

FIG.3B

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FIG. 4



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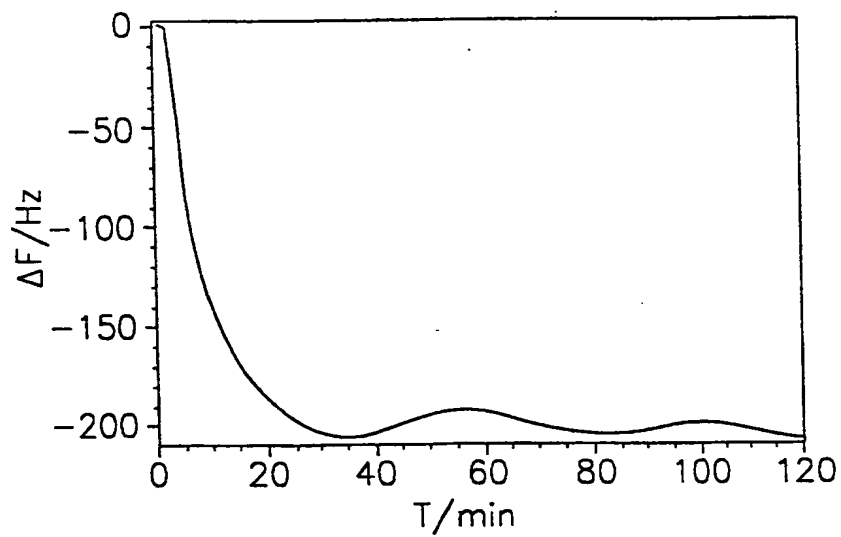


FIG.5

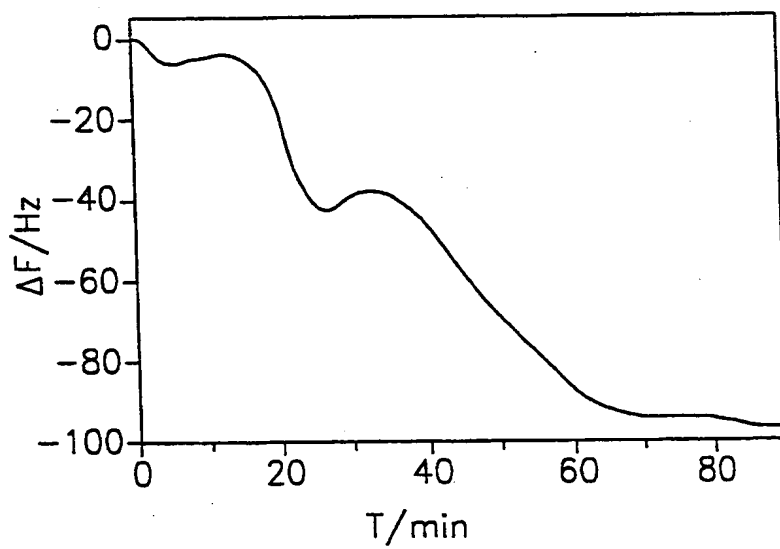


FIG.6

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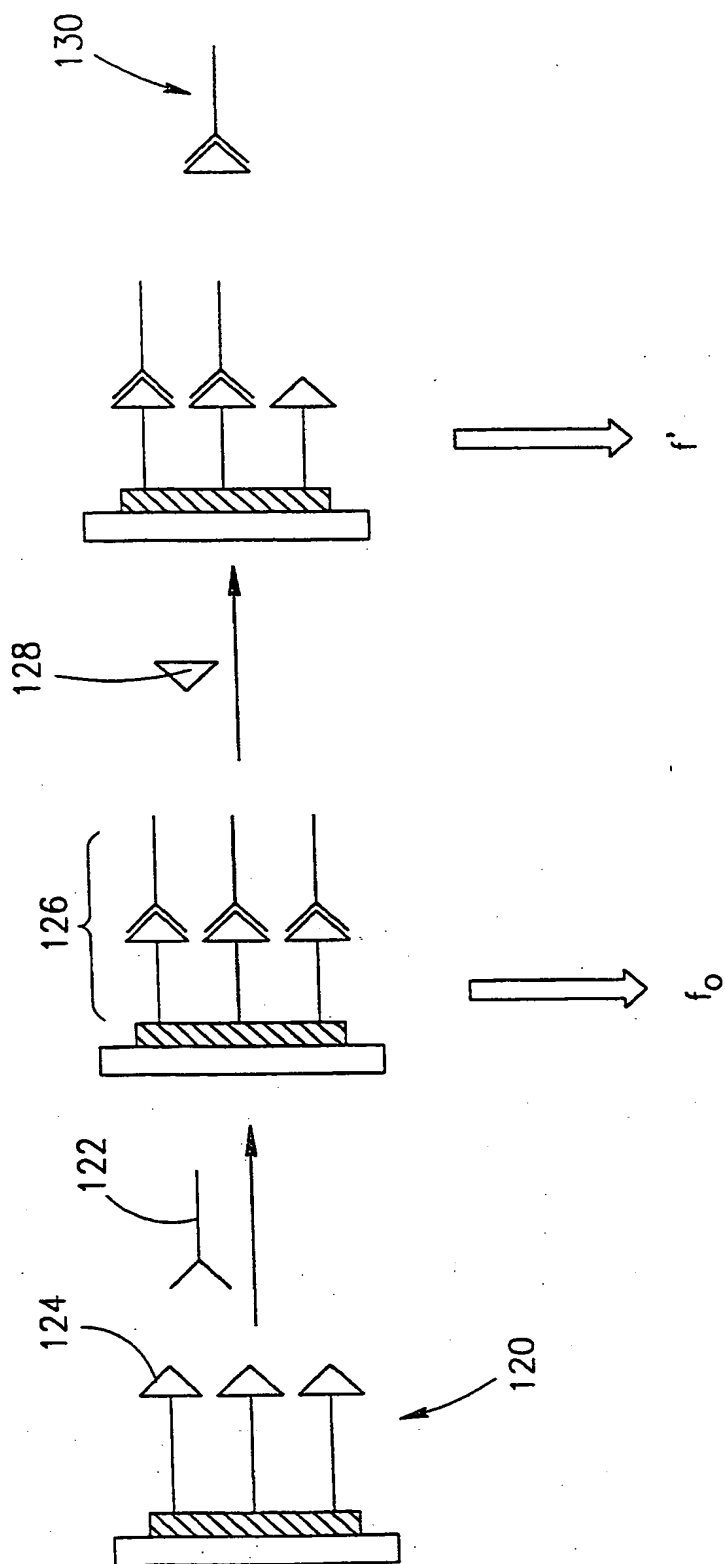


FIG. 7

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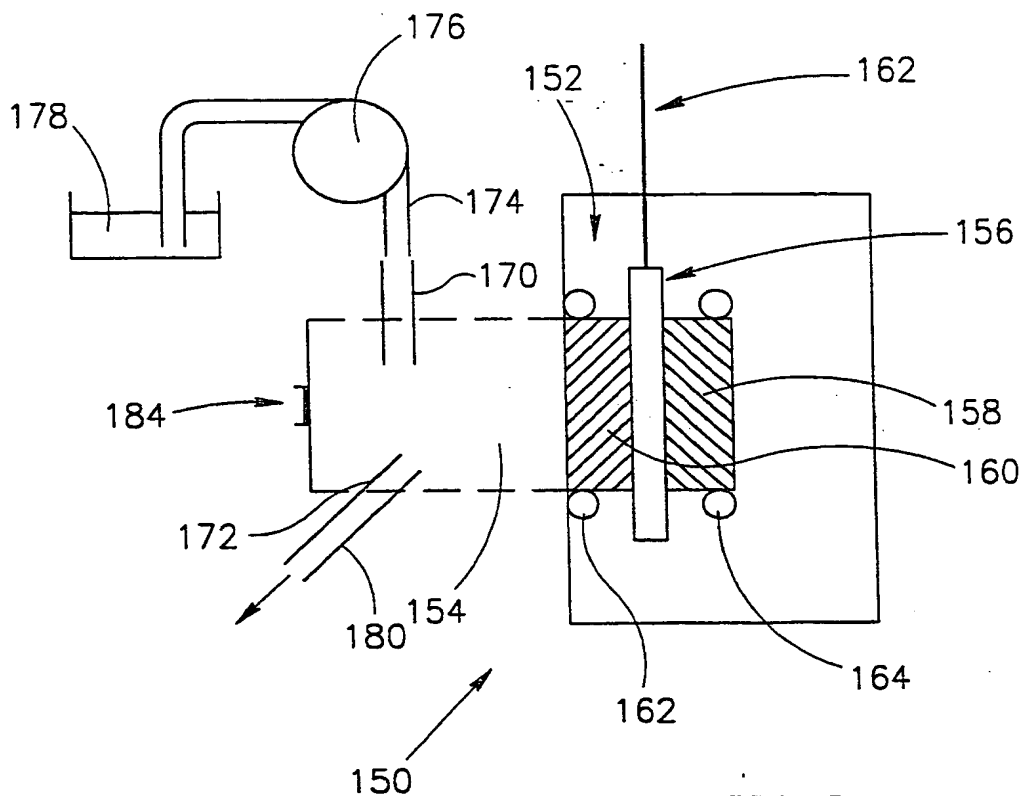


FIG.8

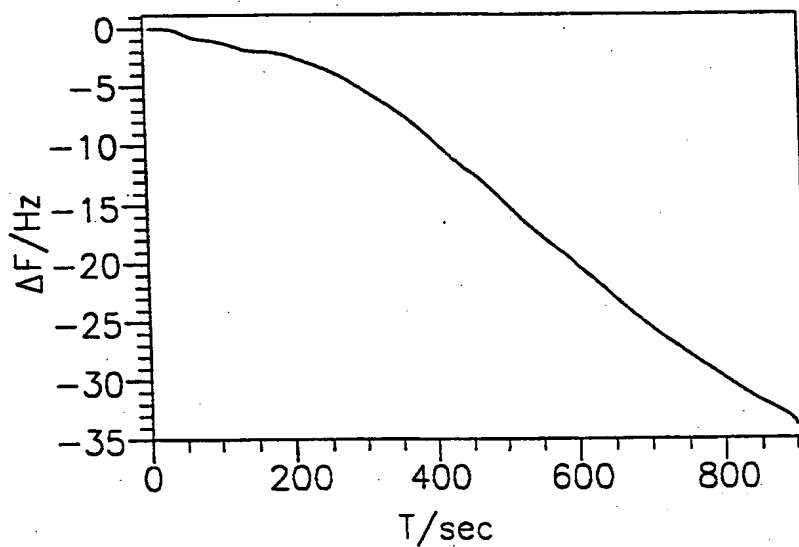


FIG.9

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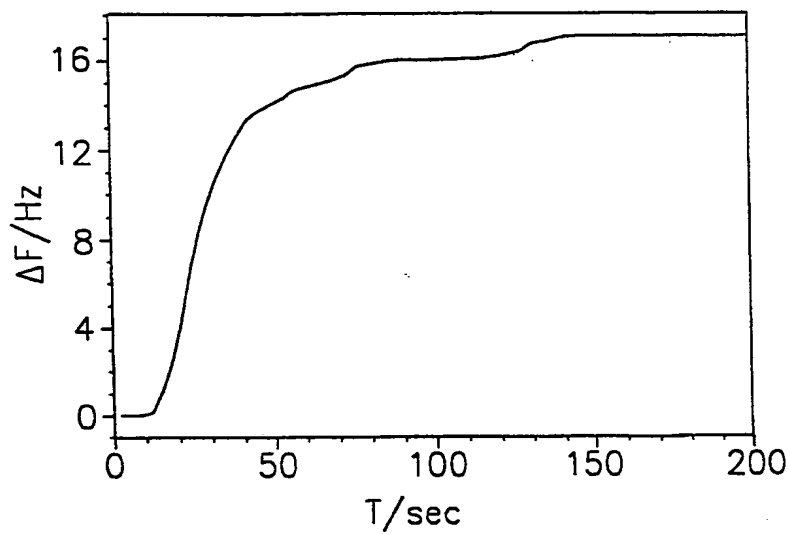


FIG.10

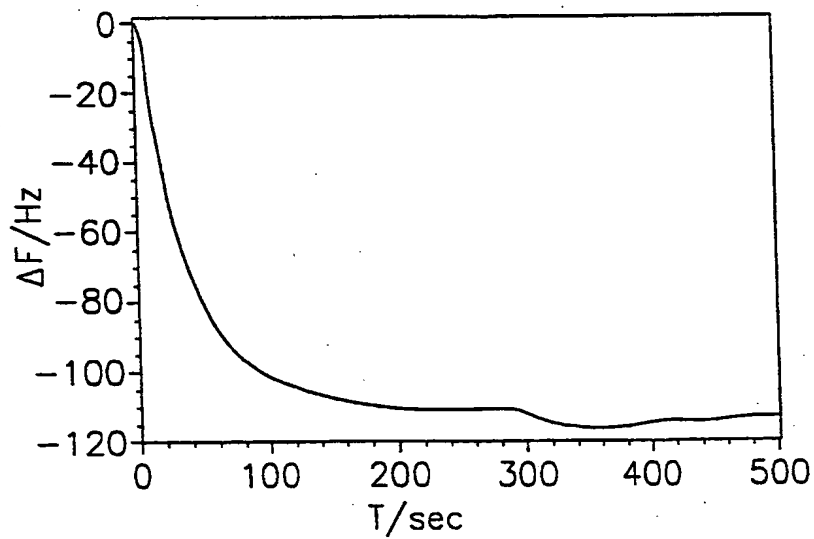


FIG.11

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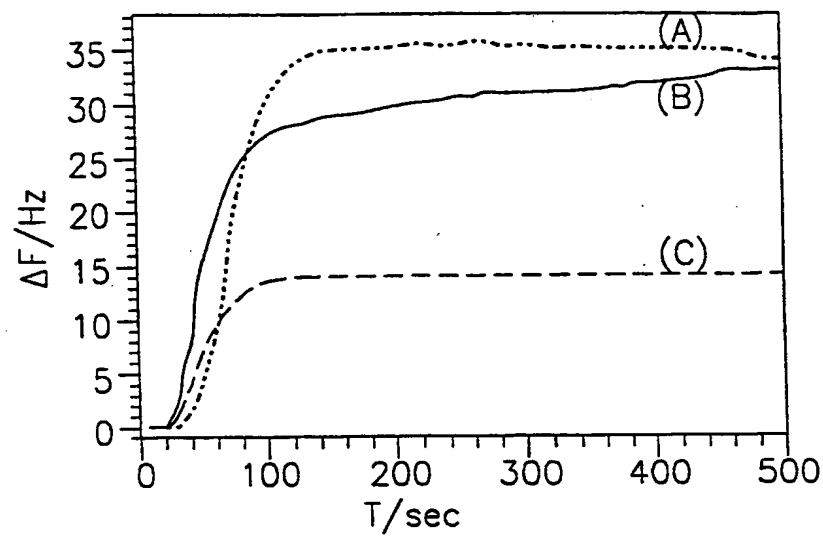


FIG.12

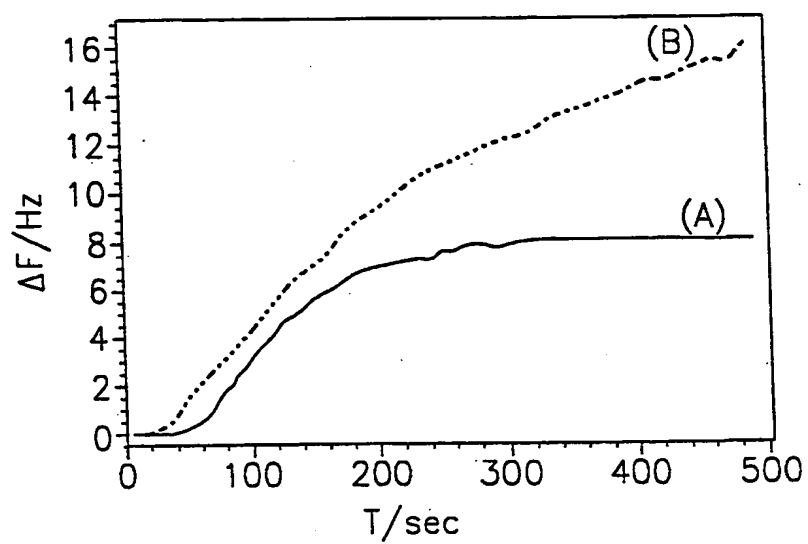


FIG.13

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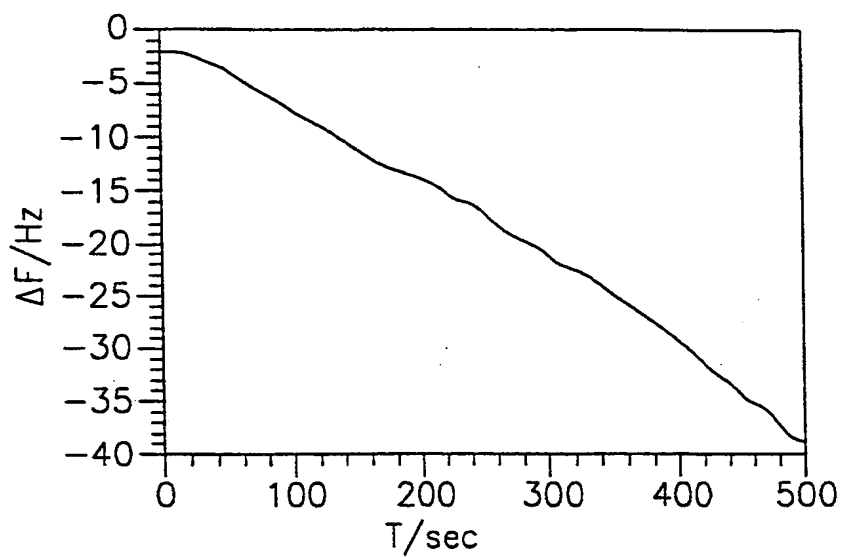


FIG.14

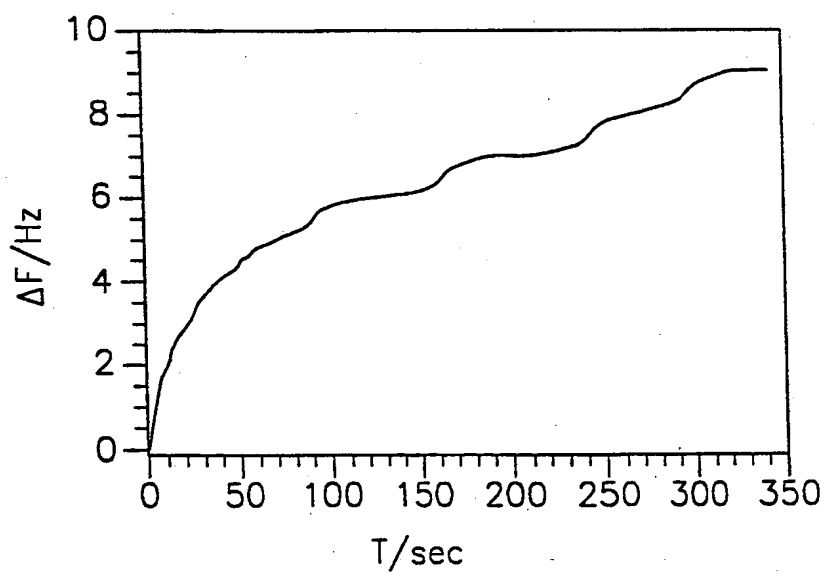


FIG.15

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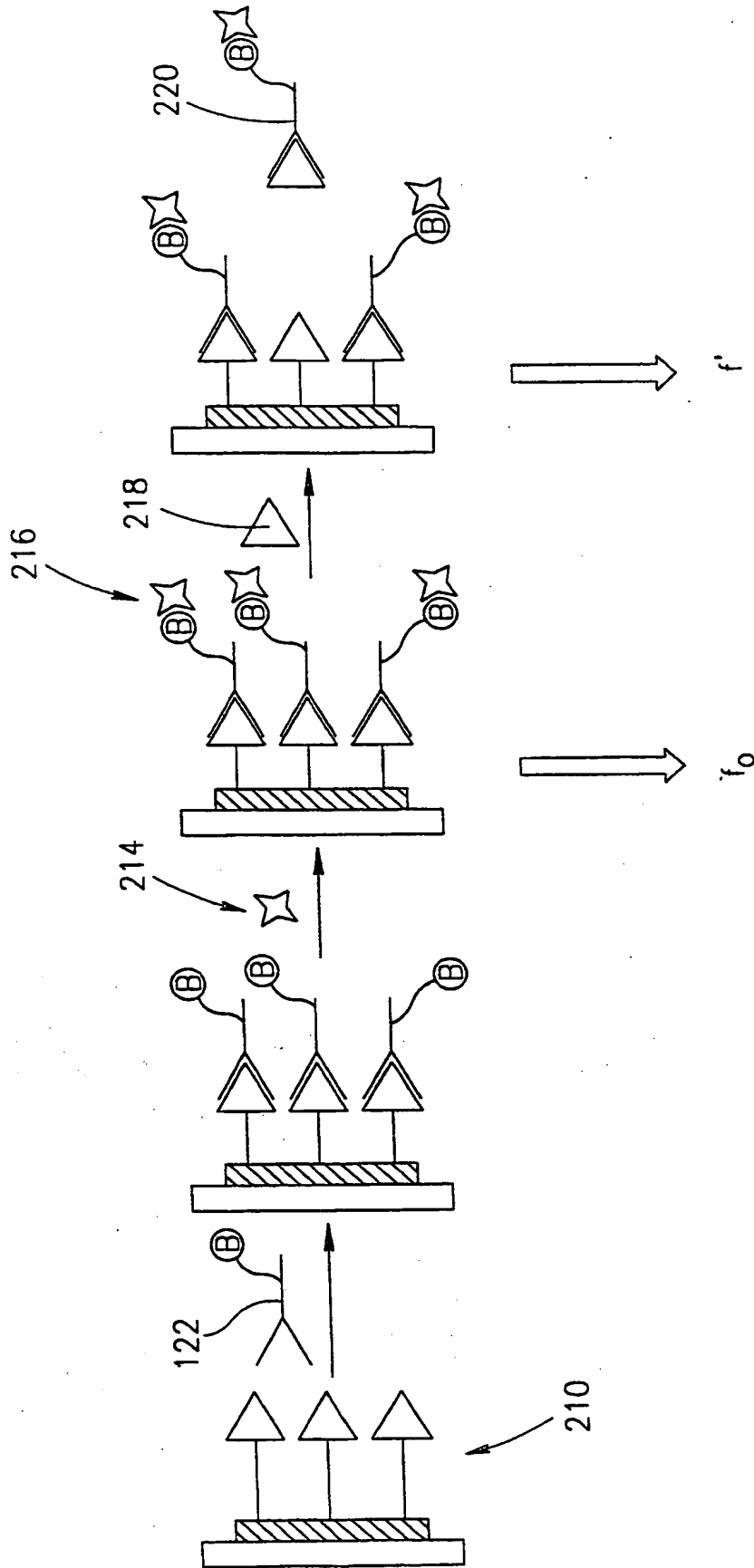


FIG.16

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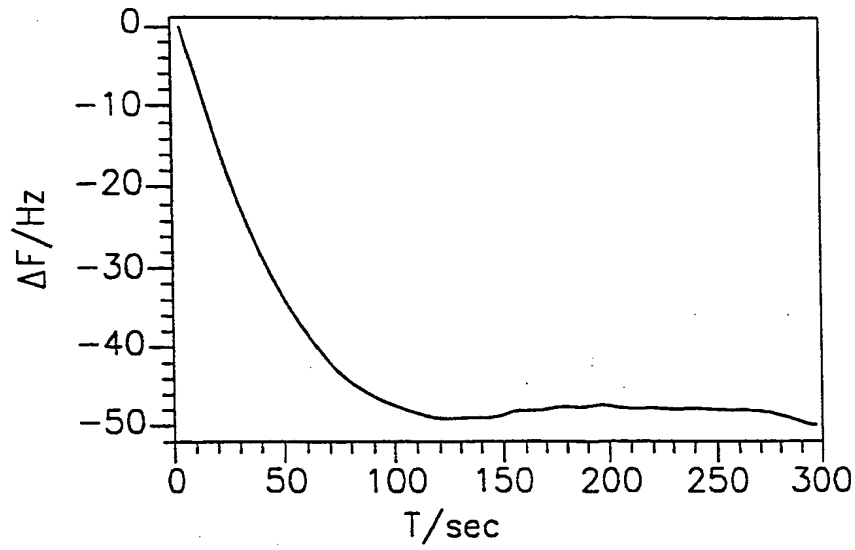


FIG.17

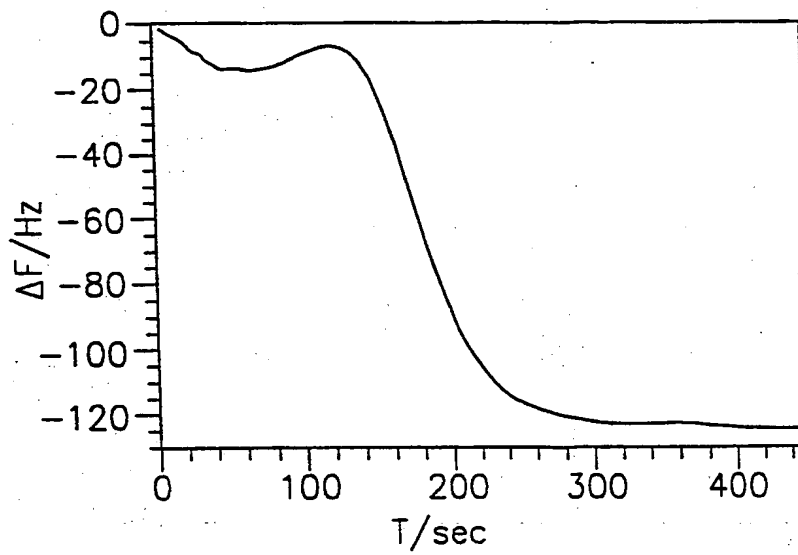


FIG.18

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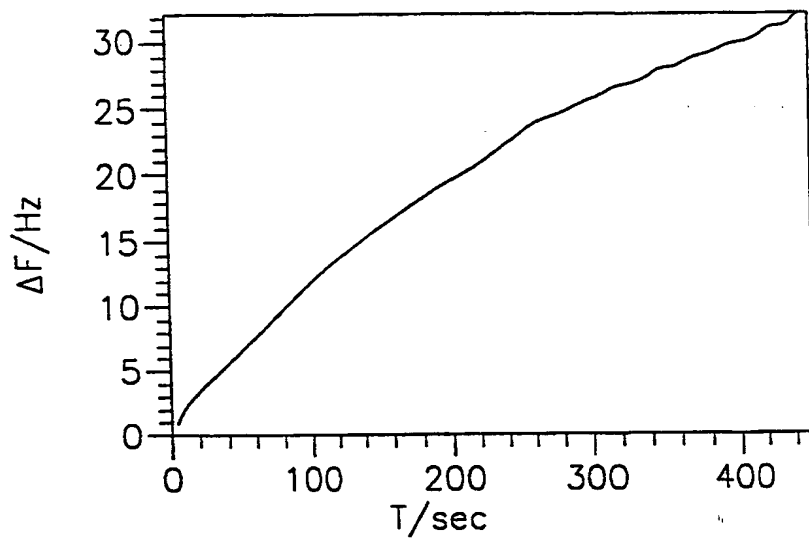


FIG.19

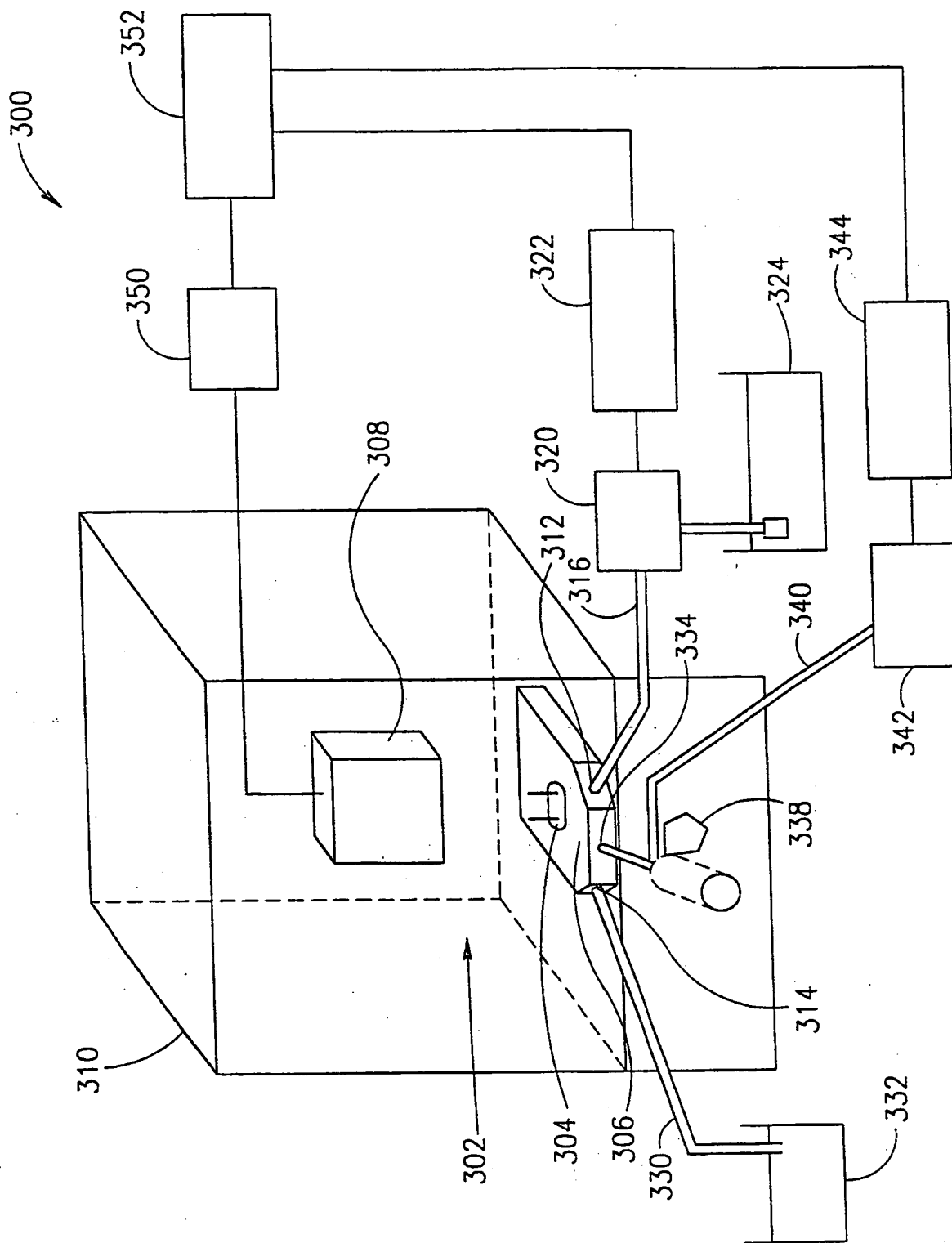


FIG. 20

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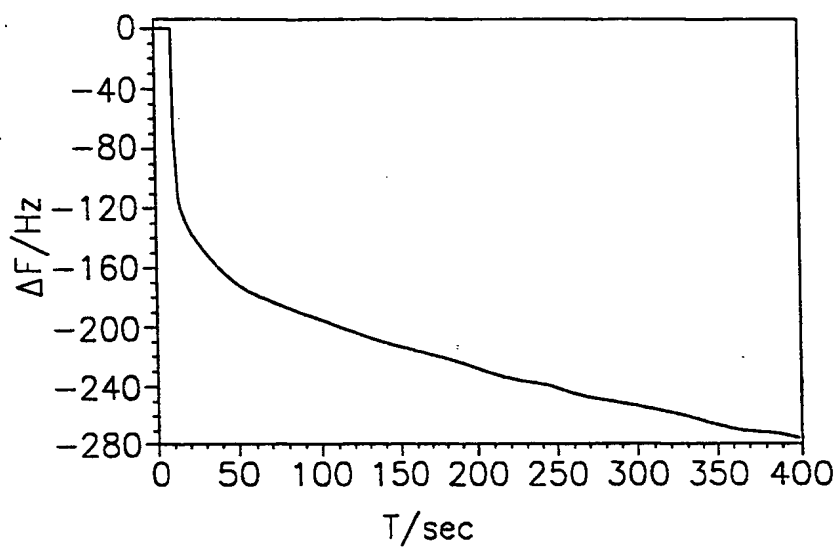


FIG.21

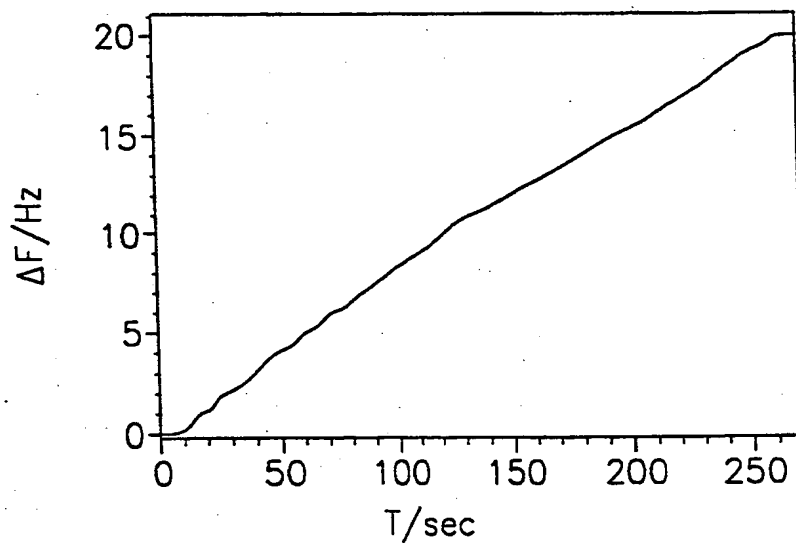


FIG.22

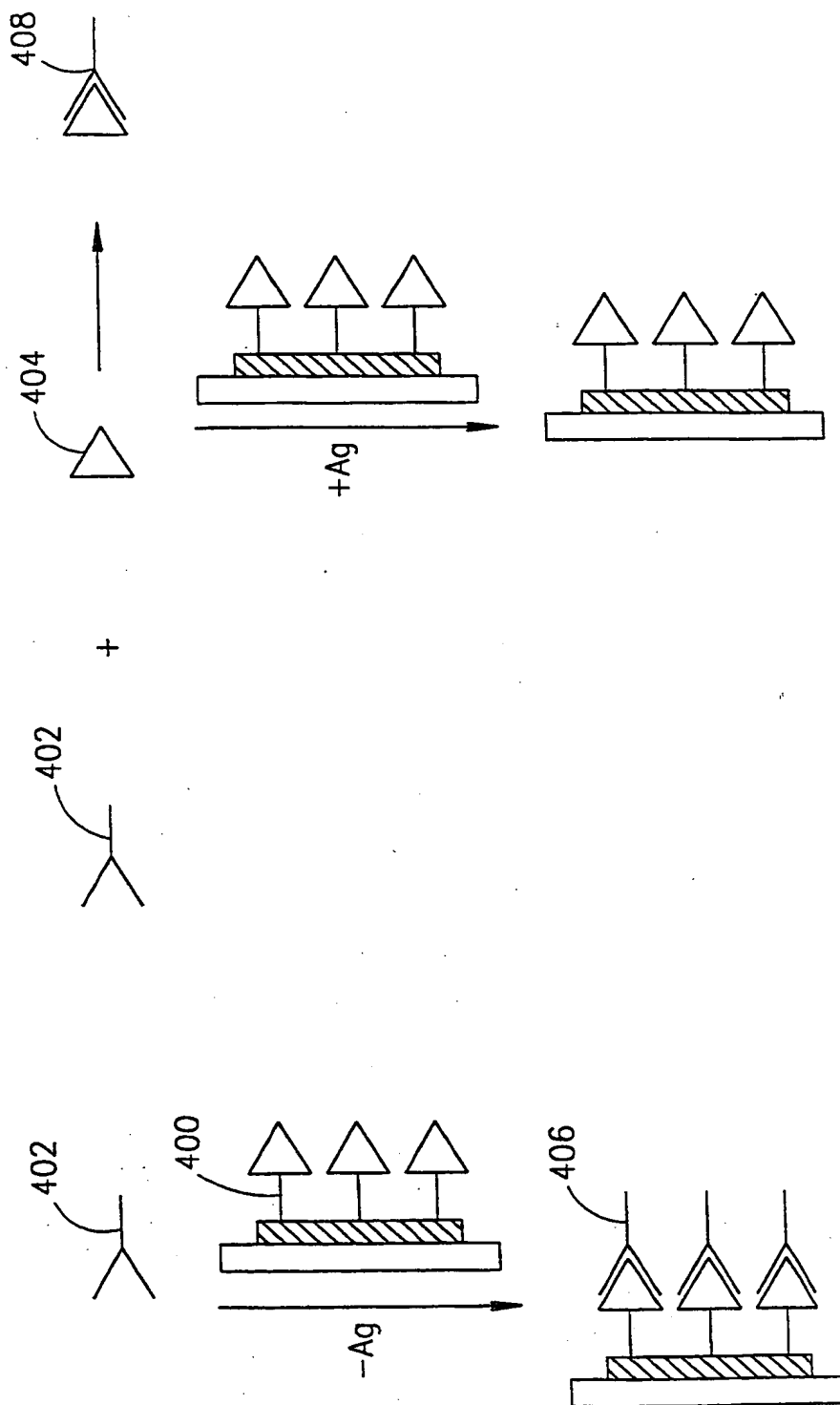


FIG.23

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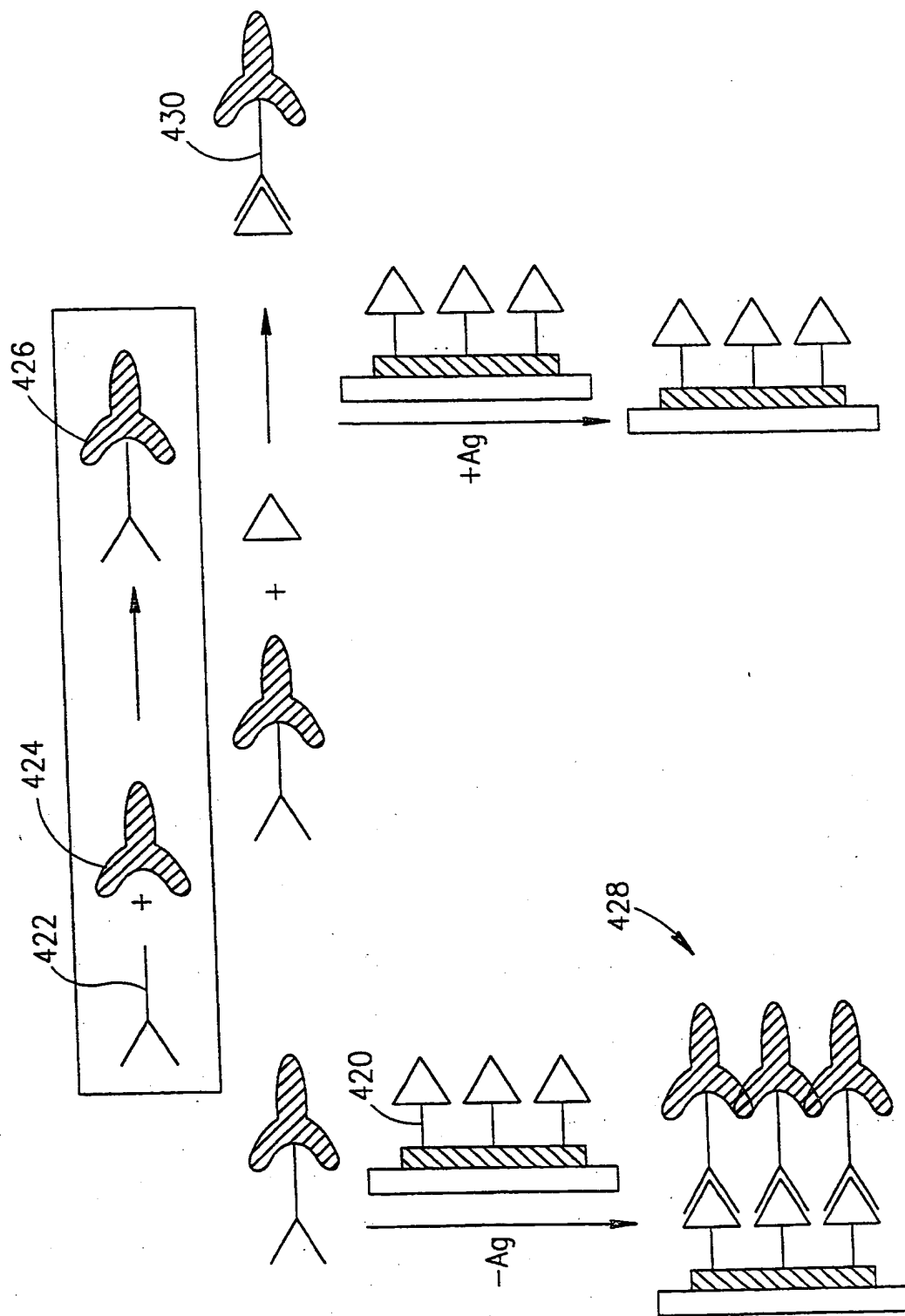


FIG.24

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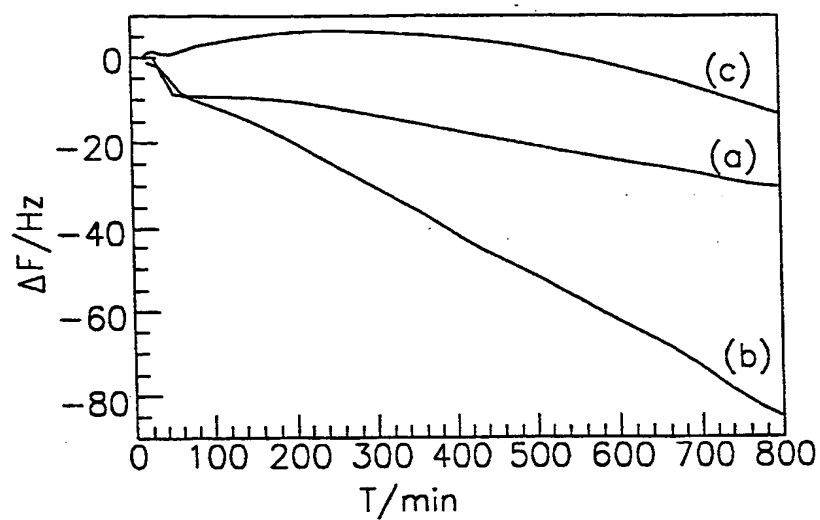


FIG.25

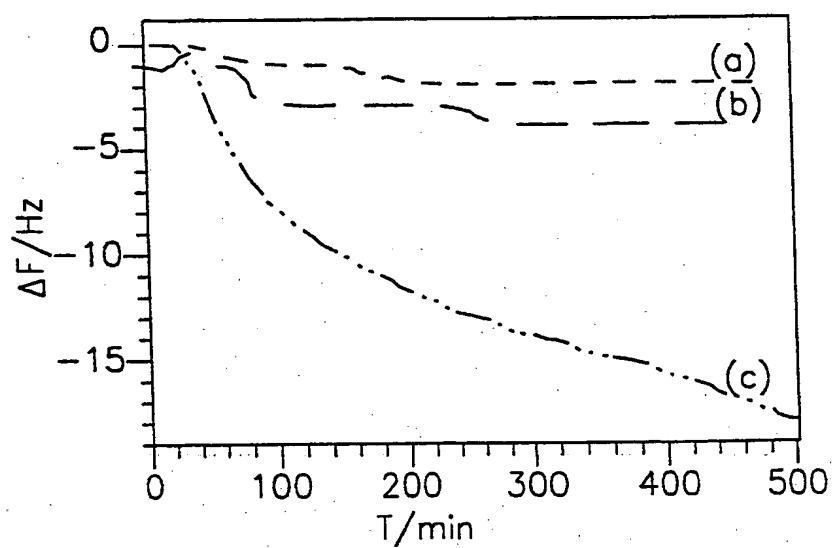


FIG.26

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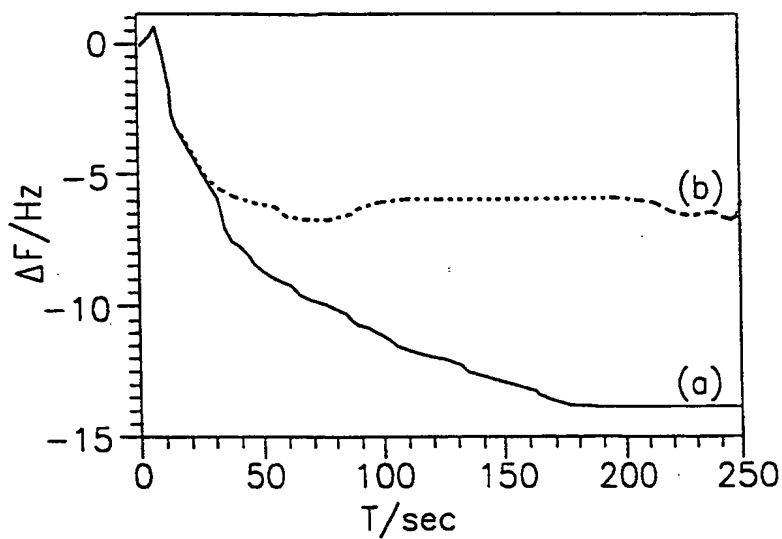


FIG.27A

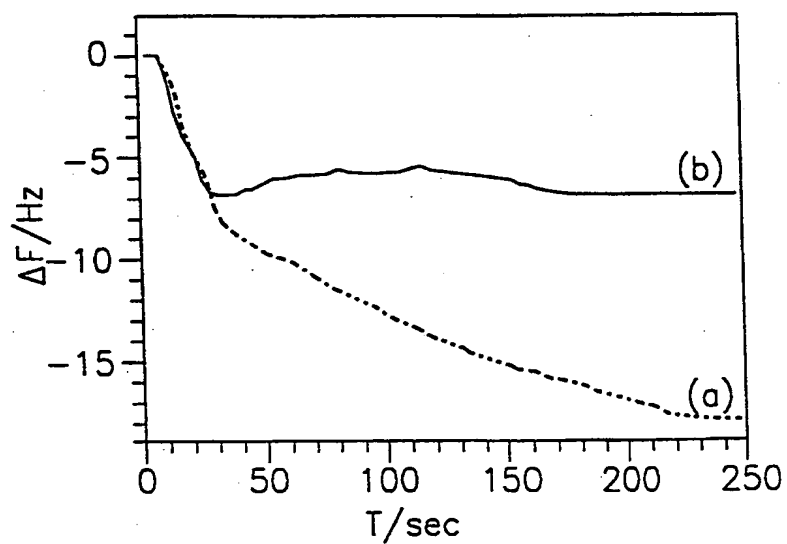


FIG.27B

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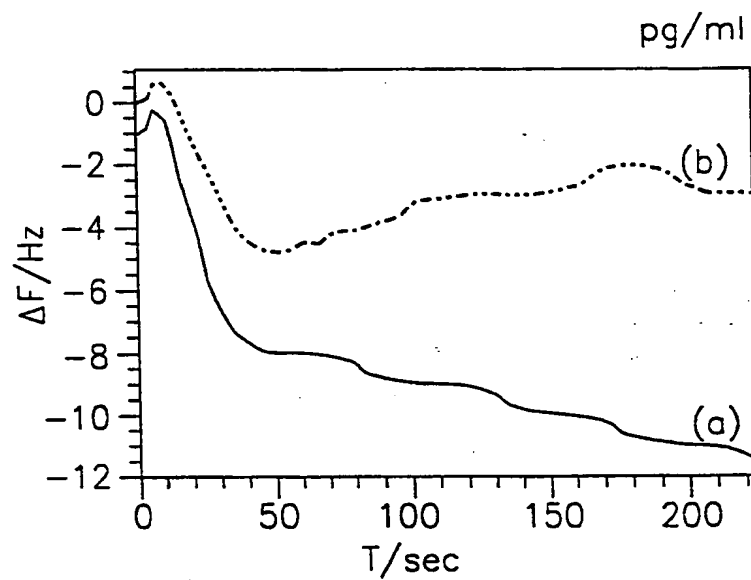


FIG.27C

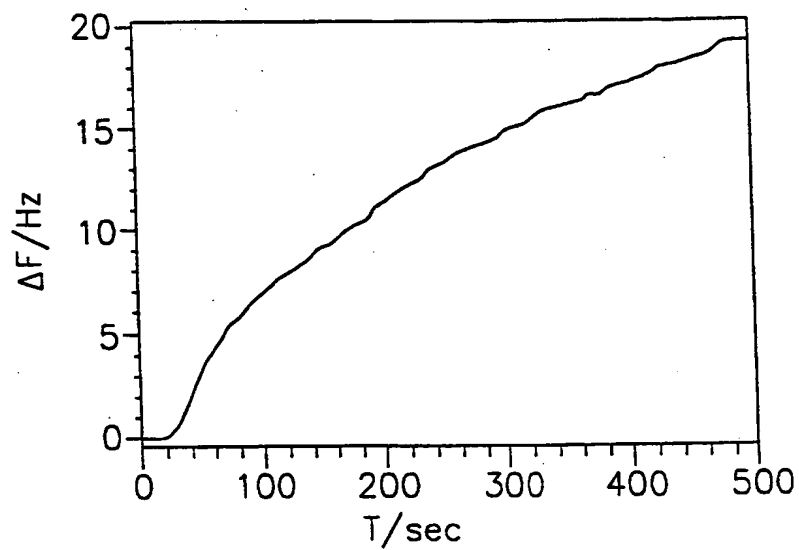


FIG.28A

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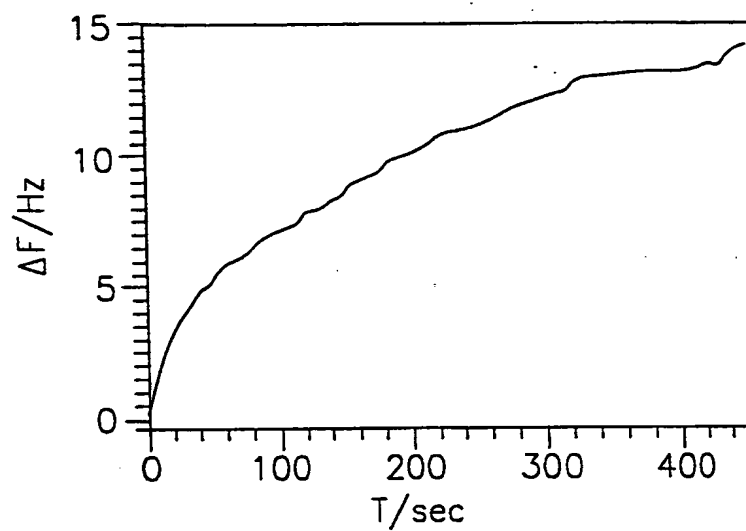


FIG.28B

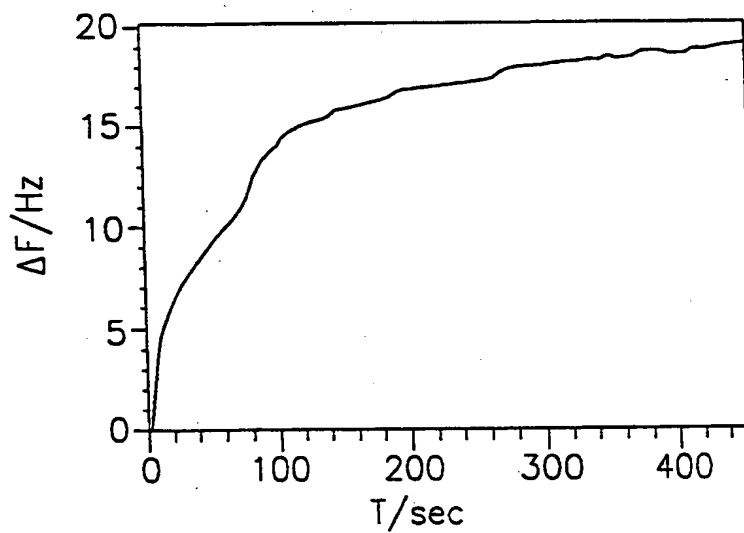


FIG.28C

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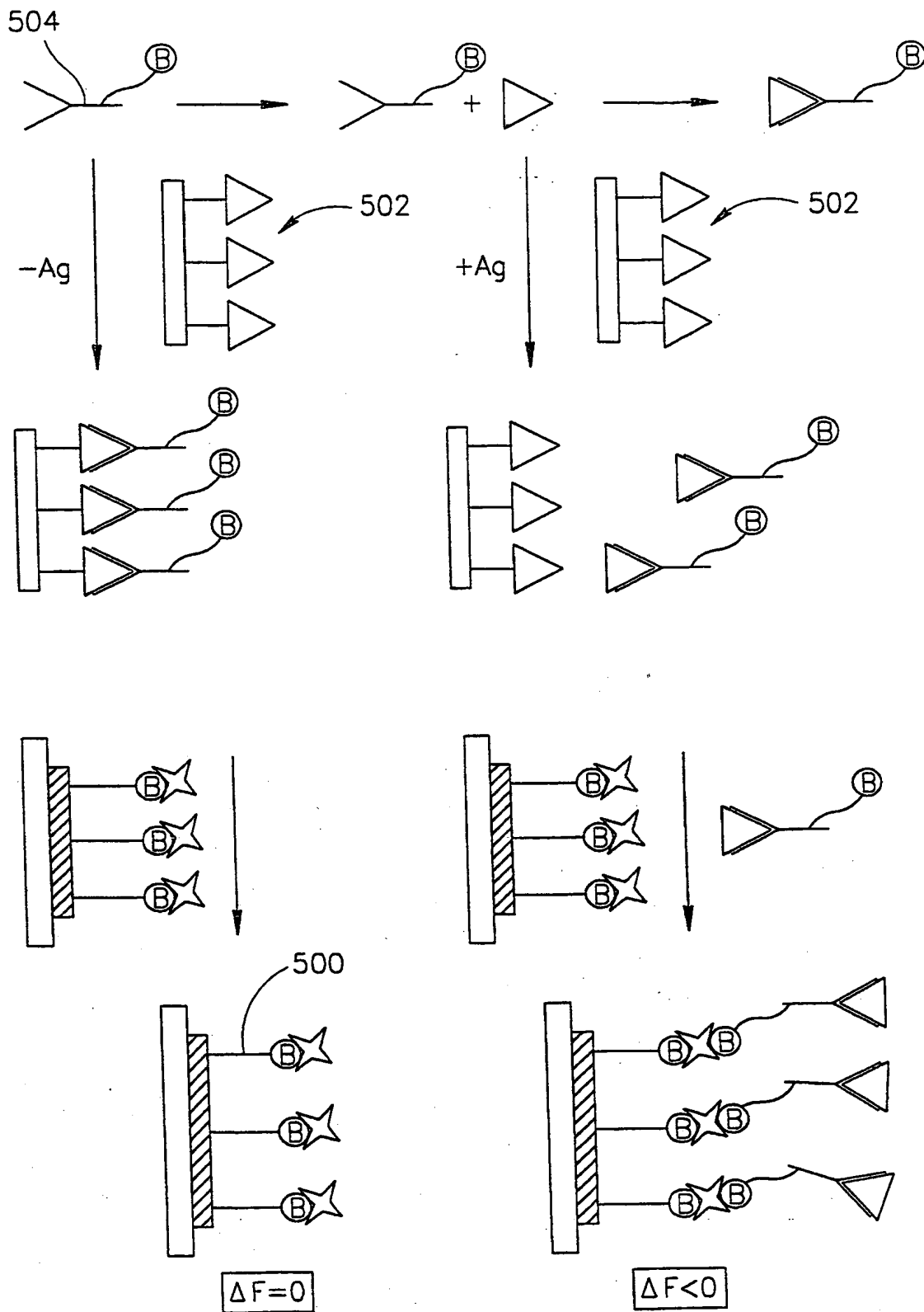


FIG.29

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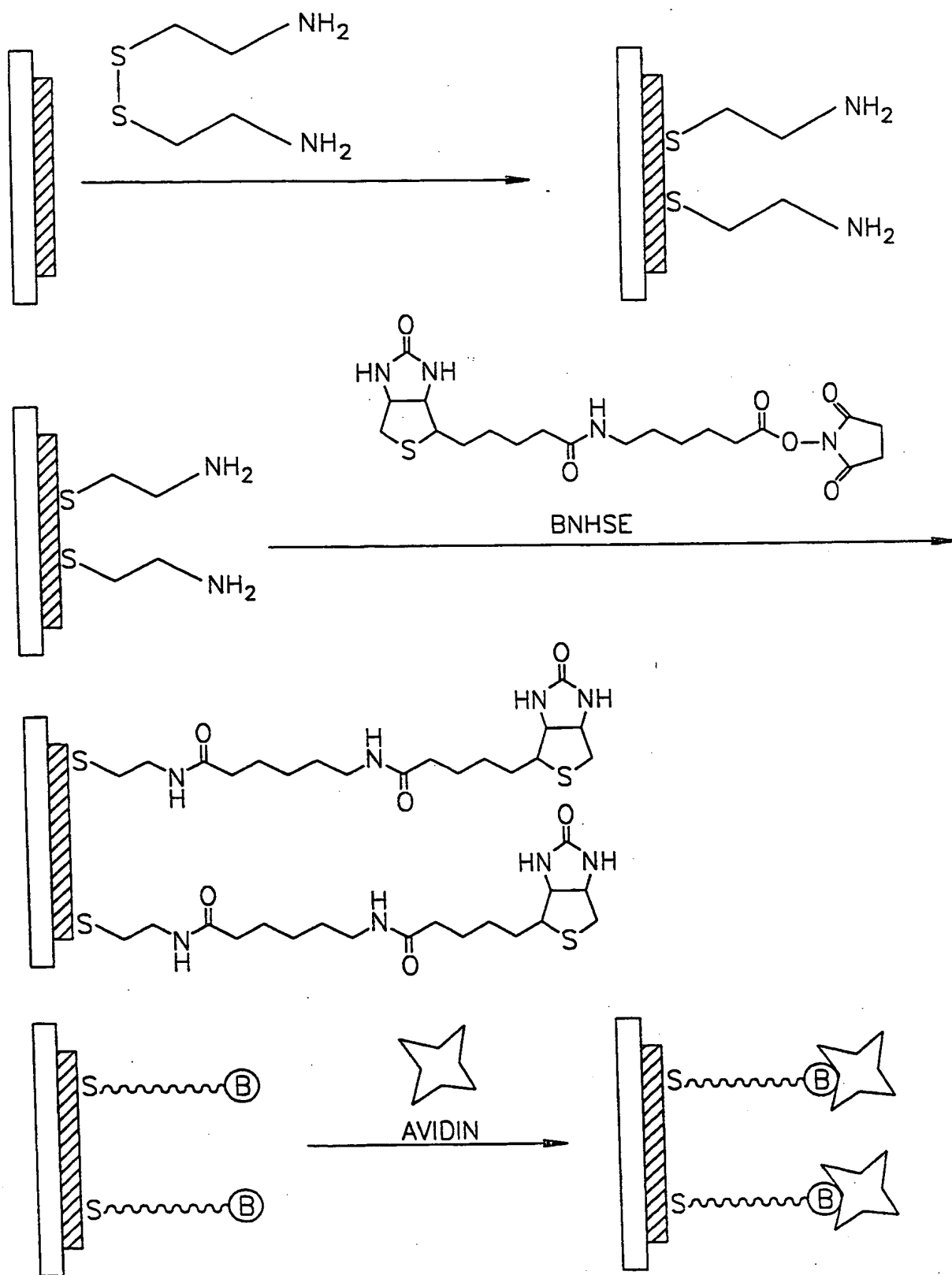


FIG.30

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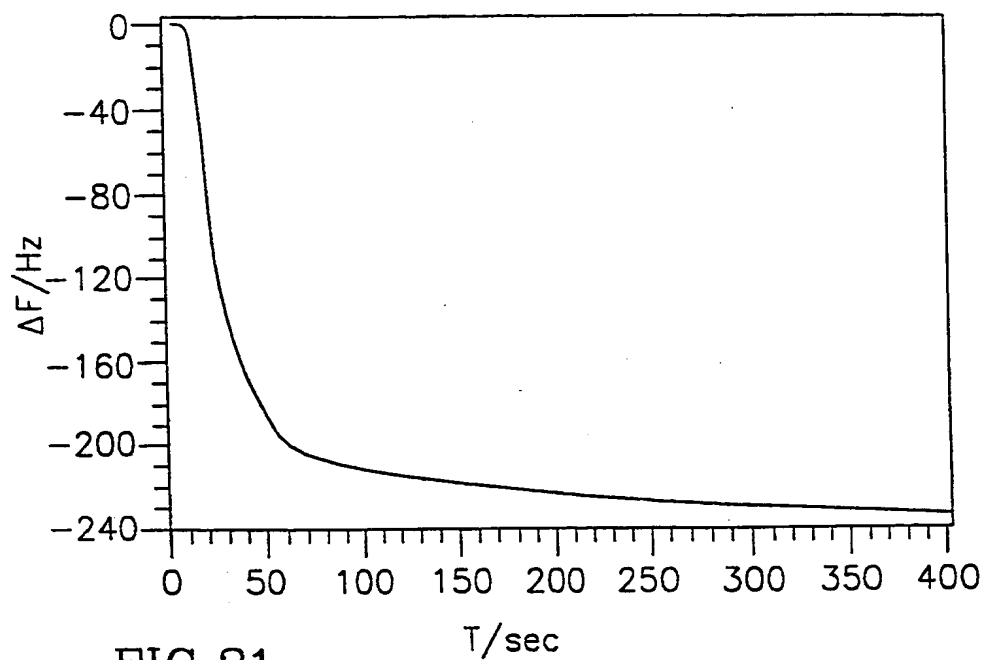


FIG.31

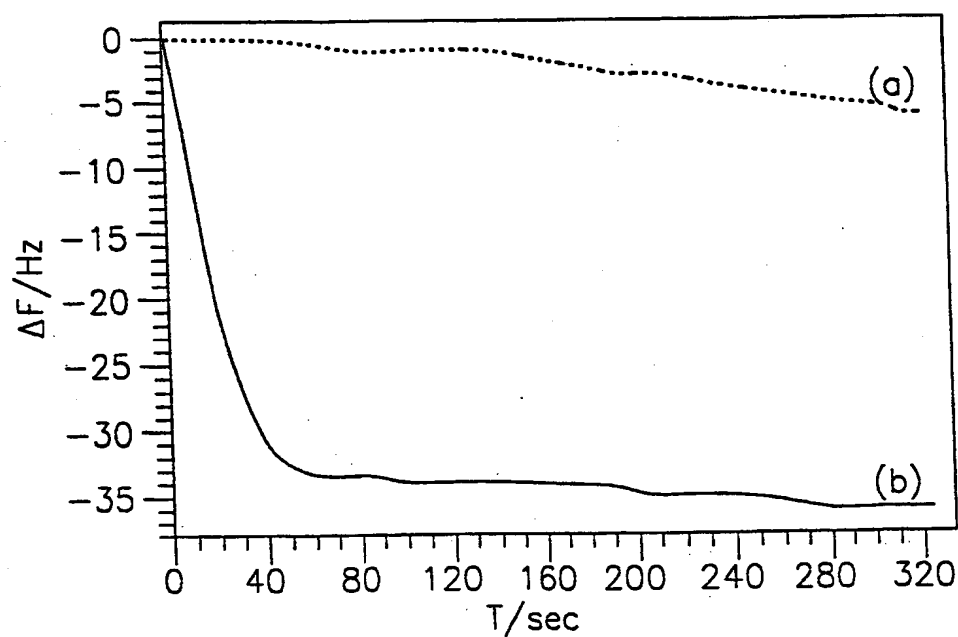


FIG.32

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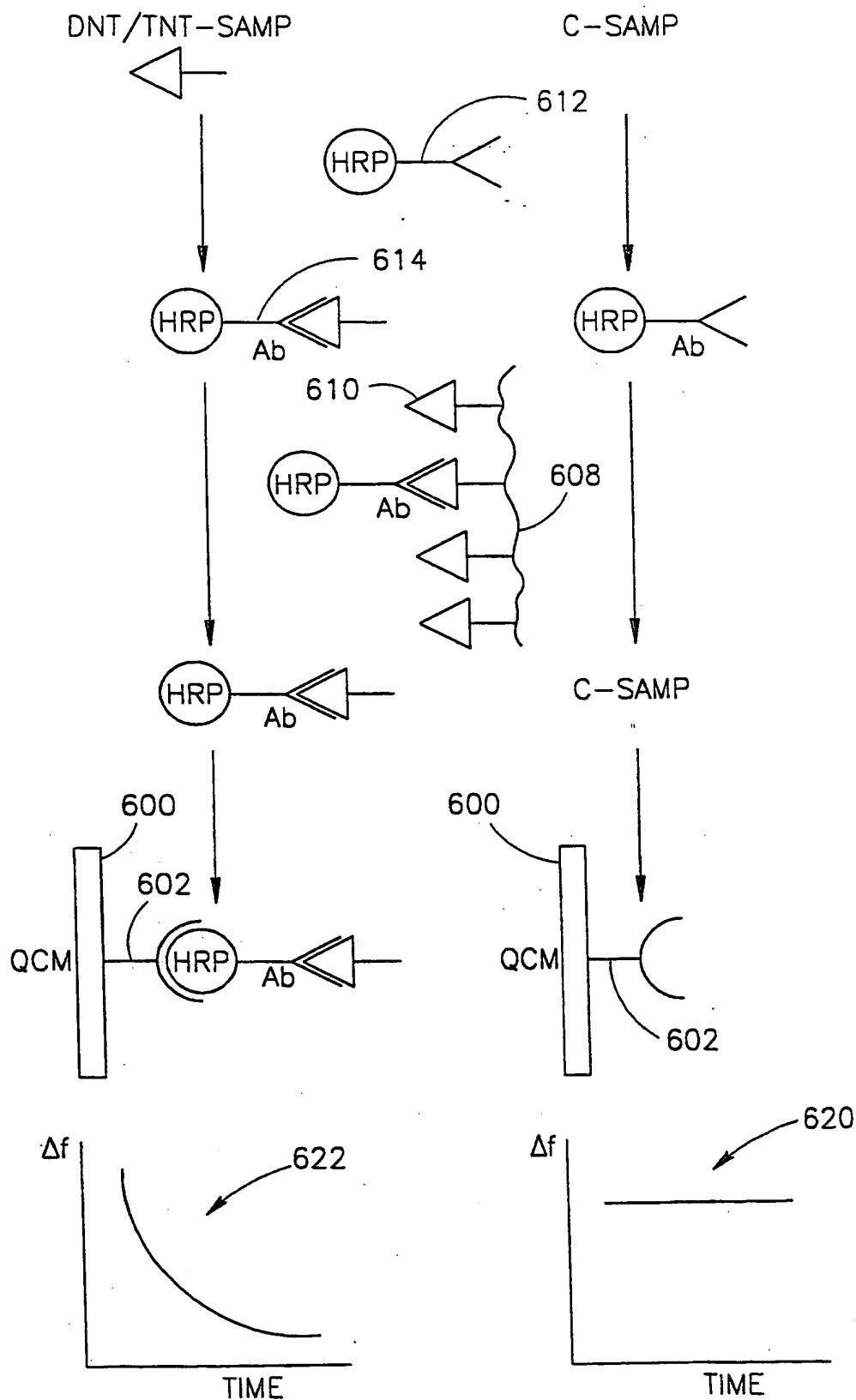


FIG.33

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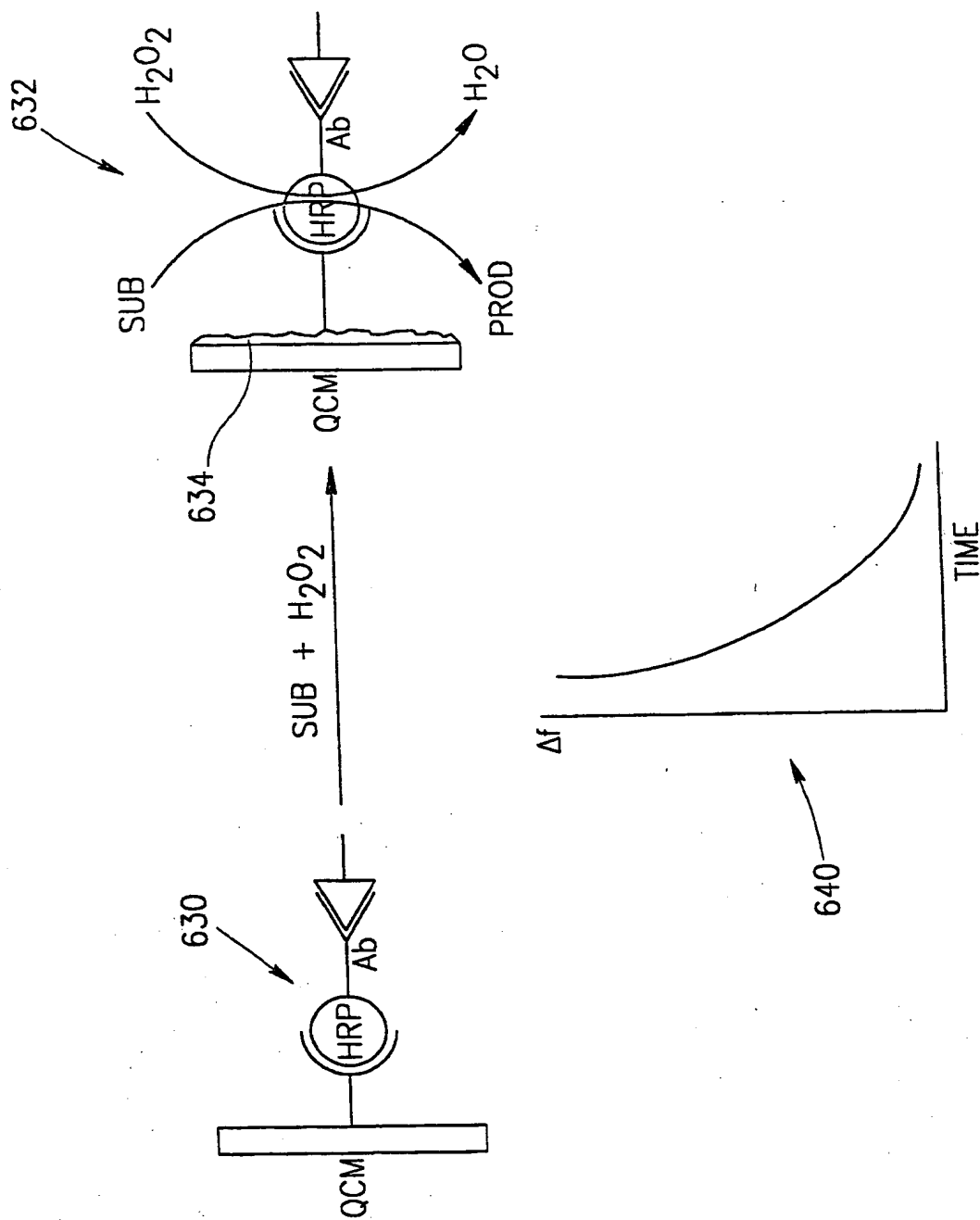


FIG.34